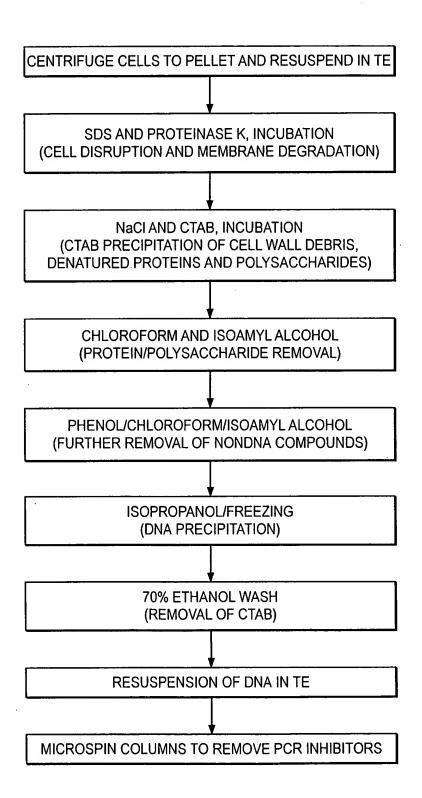
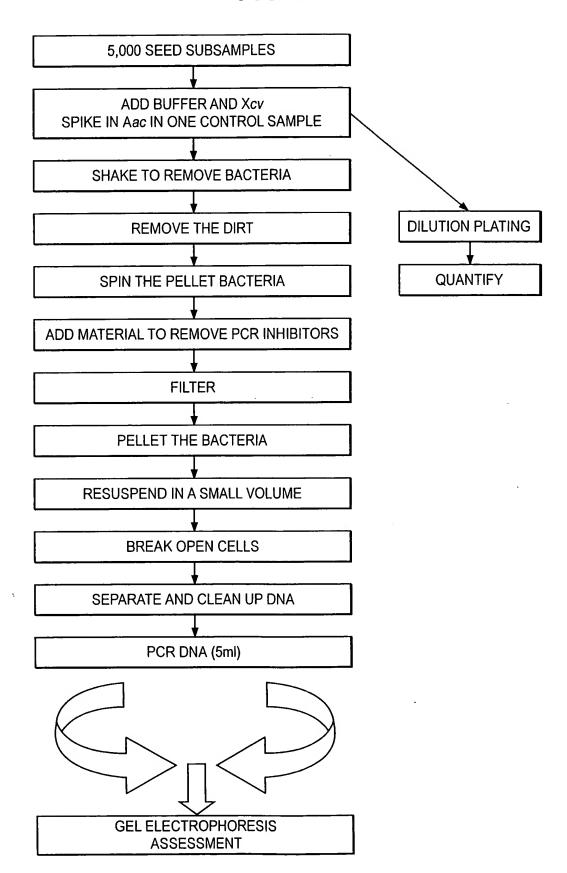


FIG. 1



2/23

FIG. 2



Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR #

Electrophoresis information

Buffer: 0.5X TBE Amount of agarose used; Gel Concentration: 2.0% 2.5g, 5.0g, (7.0g), other_____ (circle one) Watts: <u>8</u> mAmps: <u>92</u> Off: <u>5:15</u> Temp: <u>RT</u> Volts: <u>97</u>

On:<u>1:45</u>

Volume of DNA	sample: 5µls	Total i	reaction volu	ume: <u>5</u>	<u>0µls</u>	
	Aac Xcv			Xcv		Aac Xcv
Gel Lane	Result Result	<u>Gel Lane</u>	<u>Result</u> R	<u>Result</u>	<u>Gel Lane</u>	Result Result
1. 1 <u>Aac</u> Rxns	-	37. 17	+		73. 11	+
2. 1	-	38. 18	+		74. 11	+
3. 2	-	39. 18	+		75. 12	+
4. 2	-	40. 19	-		76. 12	+
5. 3	-	41. 19	-		77. 13	+
6. 3	-	42. 20	+		78. 13	+
7.4	-	43. 20	Ψ		79. 14	+
8. 4	- .	44. H ₂ O	-		80. 14	+
9.5	-	45. H ₂ O	-		81. 15	+
10.5	-	46. TE	_		82. 15	+
11.6	-	47. TE	_		83. 16	+
12.6	-	48. DNA Hi	+		84. 16	т
13.7	-	49. DNA Hi	+		85. Ladder	
14.7	-	50. DNA Low	+		86. N/A	+
15.8	-	51. DNA Low	+		87. 17 88. 17	+
16. 8	-	52. 1		+	89. 18	· +
17. Ladder 18. 9		53. 1		+	90. 18	+
19.9	<u>-</u>	54. 2		+	91. 19	+
20. 10	_	55. 2		+	92. 19	+
21. 10	_	55. 3		+	93. 20	-
22. 11	_	57. 3		+	94. 20	-
23. 11	-	58. 4		+	95. H ₂ O	-
24. 12	_	59. 4		+	_	
25. 12	_	60. 5		+ +	96. H ₂ O	-
26. 13	-	61. 5 62. 6		+	97. TE	-
27. 13	-	63. 6		÷	98. TE	-
28. 14	-	64. 7		+	99. DNA Hi	+
29. 14	-	65. 7		+	100. DNA Hi	+
30. 15	-	66. 8	•	+	101. DNA Low	+
31. 15	-	67. 8		+	102. DNA Low	+
32. 16	-	68. Ladder			103.	
33. 16	-	69. 9		+	104.	
34. Ladder		70. 9		+	105.	
35. N/A		71. 10		+	106.	
36. 17	+	72. 10		+		

Sample#'s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive									/
Negative	✓	\	\	/	/	/	/	/	

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 975

ACIDOVORAX REACTIONS

XANTHOMONAS REACTIONS

FIG. 3b

				-		,	1	0	-	40	1.	\$
	_	7	5	4	C	٥	,	o	D)	2	_	7
d	#_	#1	6#	6#	#17	#17	#1	#1	6#	6#	#17	#17
В	#5	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
ပ	#3	£#	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL	#3	#3	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL
D	#	#	#12	#12			#	#4	#12	#12	7	#20 SEED CONTROL
ш	£	£#	#13	#13	-H ₂ 0 CONTROL	-H ₂ O CONTROL	9#	5#	#13	#13		-H ₂ 0 CONTROL
ш.	9#	#	#14	#14	-TE CONTROL	-TE CONTROL	#	¥	#14	#14	-TE CONTROL	-TE CONTROL
ව	2#	2#	#15	#15	ONTROL CONTROL Aac	ODNA CONTROL Aac	2#	2#	#15	#15	DNA CONTROL Aac	ONTROL CONTROL Aac
H	8#	8#	#16	#16	DNA CONTROL Aac	DNA CONTROL Aac	8#	8#	#16	#16	ONTROL Aac	ODNA CONTROL Aac

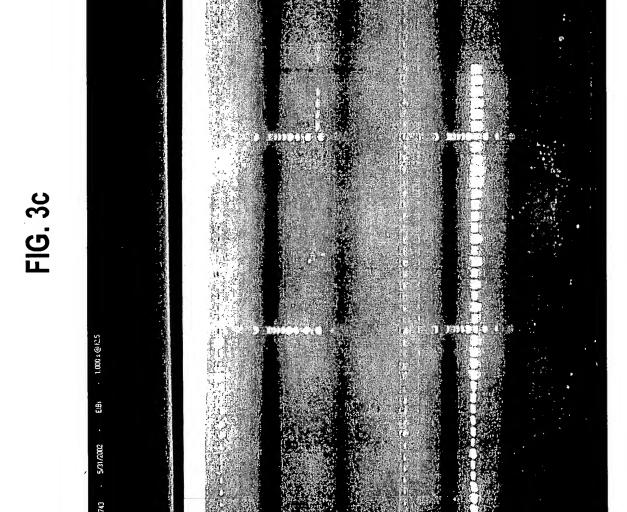


FIG. 4a

Bacterial Fruit Blotch

Disease screen assay data sheet WFB PCR # 980

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used; 2.5g, 5.0g, 7.0g, other_

Volts: <u>98</u> Watts: <u>8</u> mAmps: <u>94</u> On: <u>1:30</u> Off: <u>3:00</u> Temp: <u>RT</u> (circle one)

Volume of DNA	sample: 5µls	Total r	eaction vo	olume: <u>5</u>	50µls_	•
	Aac Xcv		Aac	Xcv		Aac Xcv
Gel Lane	Result Result	Gel Lane		Result	Gel Lane	Result Result
1. 1 Aac Rxns	-	37. 17	-	•	73. 11	+
2. 1	-	38. 18	-		74. 11	+
3. 2	-	39. 18	-		75. 12	+
4. 2	-	40. 19	-		76. 12	+
5. 3	-	41. 19	-		77. 13	+
6.3	-	42. 20	+		78. 13	+
7.4	-	43. 20	+		79. 14	+
8.4	-	44. H ₂ O	-		80. 14	+
9.5	-	45. H ₂ O	-		81. 15	+
10. 5	-	-			82. 15	+
11. 6	-	46. TE 47. TE	-		83. 16	+
12. 6	-	48. DNA Hi	+		84. 16	+
13. 7	-	49. DNA Hi	+		85. Ladder	
14. 7	-	50. DNA Low	+		86. N/A	
15. 8	-	51. DNA Low	+		87. 17	+
16. 8	-	52. 1	•	+ '	88. 17	+
17. Ladder		53. 1		+	89. 18	+
18. 9	-	54. 2		+	90. 18	+
19. 9	-	55. 2		+	91. 19	+
20. 10	-	55. 3		+	92. 19	+
21. 10	-	57. 3		+	93. 20	-
22. 11	-	58. 4		+	94. 20	-
23. 11	-	59. 4		+	95. H ₂ O	-
24. 12	-	60. 5		-	-	
25. 12	-	61. 5		- +	96. H ₂ O	-
26. 13	•	62. 6 63. 6		+	97. TE	-
27. 13	•	64. 7		+	98. TE	-
28. 14	-	65. 7		+	99. DNA Hi	+
29. 14	-	66. 8		+	100. DNA Hi	+
30. 15	-	67. 8		+	101. DNA Low	
31. 15	-	68. Ladder			102. DNA Low	+
32. 16	-	69. 9		+	103.	
33. 16	-	70. 9		+	104.	
34. Ladder		71. 10		+ .	105.	
35. N/A		72. 10		+	106.	
36. 17	-					

Sample#'s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive									
Negative	/	/	\		\	/			/

FIG. 4b

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR#: 980

ACIDOVORAX REACTIONS

	~	2	င	4	5	9	7	∞	6	10	1	12
A	#	#	6#	6#	#17	#17	#	1#	6#	6#	#17	#17
8	7#	#5	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
ပ	#3	#3	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL	#3	£#	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL
D	#	#	#12	#12		#20 SEED CONTROL	7 #	#4	#12	#12	#20 SEED CONTROL	#20 SEED CONTROL
ш	£	£	#13	#13	-H ₂ 0 CONTROL	-H ₂ 0 CONTROL	9#	5#	#13	#13	-H ₂ O CONTROL	-H ₂ 0 CONTROL
LL.	9#	9#	#14	#14	-TE CONTROL	-TE CONTROL	#	9#	#14	#14	-TE CONTROL	-TE CONTROL
9	£4	L #	#15	#15	ODNA CONTROL Aac	ONTROL CONTROL Aac	4 7	2#	#15	#15	DNA CONTROL Xcv	ODNA CONTROL Xcv
I	8#	8#	#16	#16	ODNA CONTROL Aac	ODNA CONTROL Aac	8#	8#	#16	#16	ODNA CONTROL Xcv	ODNA CONTROL Xcv



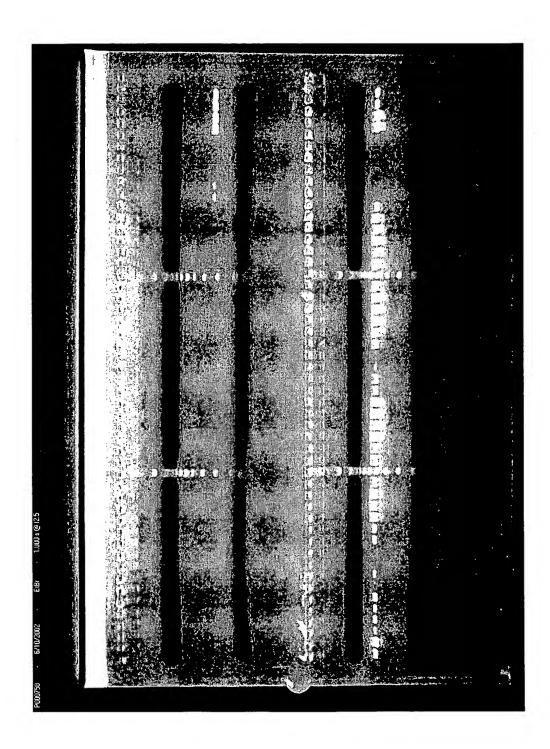


FIG. 5a

Bacterial Fruit Blotch

Disease screen assay data sheet WFB PCR # 981

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE

Amount of agarose used; 2.5g, 5.0g, 7.0g, other____ Volts: <u>98</u> Watts: <u>9</u> mAmps: <u>92</u> On: <u>1:30</u> Off: <u>3:00</u> Temp: <u>RT</u>

(circle one)

Volume of DNA sample: 5µls	Total	reaction volume:_5	50µls_	
Aac Xcv		Aac Xcv		Aac Xcv
Gel Lane Result Result	Gel Lane	Result Result	Gel Lane	Result Result
1. 1 <u>Aac</u> Rxns -	37 . 17	•	73. 11	+
2.1 -	38. 18	-	74. 11	+
3. 2	39. 18	-	75. 12	+
4. 2	40. 19	-	76. 12	+
5.3	41. 19	-	77. 13	+
6.3	42. 20	+	78. 13	· -
7.4	43. 20	+	79. 14	_
8.4	44. H ₂ O	-	80. 14	+
9.5	-		81. 15	+
	45. H ₂ O	-	82. 15	+
10.5	46. TE	-		+
11.6 -	47. TE	_	83. 16	+
12.6 -	48. DNA Hi	+	84. 16	•
13.7	49. DNA Hi	+	85. Ladder	
14.7 -	50. DNA Low	+	86. N/A	
15.8 -	51. DNA Low	+	87. 17	+
16.8	52. 1	+	88. 17	
17. Ladder	53. 1	+	89. 18	+
18.9 -	54. 2	+	90. 18	+
19.9 -	55. 2	+	91. 19	+
20. 10 -	55. 3	+	92. 19	Ŧ
21. 10 -	57. 3	+	93. 20	-
22. 11 -	58. 4	+	94. 20	-
23. 11 -	59. 4	+	95. H ₂ O	-
24. 12 -	60. 5	+	96. H ₂ O	_
25. 12 -	61. 5	+	-	
26. 13	62. 6	+	97. TE	-
27. 13	63. 6	+	98. TE	-
28. 14 -	64. 7	+	99. DNA Hi	+
29. 14 -	65. 7	+	100. DNA Hi	+
30. 15 -	66. 8	+	101. DNA Low	
31. 15 -	67. 8	+	102. DNA Low	+
32. 16 -	68. Ladder		103.	
33. 16 -	69. 9	+	104.	
34. Ladder	70. 9	+	105.	
35. N/A	71. 10	+	106.	
36. 17 -	72. 10	+		

Sample#'s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive									
Negative	/		/		_	✓			

FIG. 5b

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR#: 981

ACIDOVORAX REACTIONS

	-	2	3	4	5	9	7	8	6	10	11	12
V	#1	#	6#	6#	#17	#17	#	#	6#	6#	#17	#17
æ	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
ပ	#3	#3	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL	#3	#3	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL
Q	7 #	#4	#12	#12	ROL	 	#4	#	#12	#12		#20 SEED CONTROL
ш	9#	\$#	#13	#13			£2	¥2	#13	#13		-H ₂ 0 CONTROL
ட	9#	9#	#14	#14	-TE CONTROL	-TE CONTROL	9#	9#	#14	#14	-TE CONTROL	-TE CONTROL
ပ	2 #	L #	#15	#15	ONTROL Aac	ONTROL Aac	. 2#	2#	#15	#15	ONTROL Aac	ONTROL Aac
н	8#	8#	#16	#16	ONTROL Aac	ODNA CONTROL Aac	8#	8#	#16	#16	ONTROL Aac	ONTROL CONTROL Aac

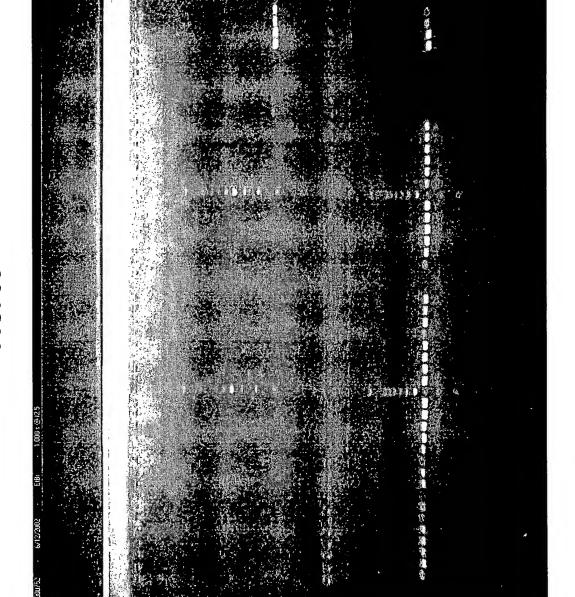


FIG. 5c

FIG. 6a

Bacterial Fruit Blotch

Disease screen assay data sheet WFB PCR # 984

Electrophoresis information

Gel Concentration: 2.0% Amount of agarose used; Buffer: 0.5X TBE Volts: <u>100</u> Watts: <u>8</u> mAmps: <u>98</u> On: <u>1:15</u> Off: <u>2:45</u> Temp: <u>RT</u> 2.5g, 5.0g, 7.0g, other____

(circle one)

Volume of DNA	sample: <u>5μls</u>	Total r	eaction volu	ıme: <u>50μls</u>	
	Aac Xcv		Aac >	Kcv	Aac Xcv
Gel Lane	Result Result	Gel Lane	Result R		
1. 1 Aac Rxns		37 . 17	-	73. 11	+
2. 1	-	38. 18	_	74. 11	+
3. 2	-	39. 18	-	75. 12	+
4. 2	•	40. 19	-	76. 12	+
5. 3	-	41. 19	-	77. 13	+
6. 3	-	42. 20	+	78. 13	+
7.4	-	43. 20	+	79. 14	+
8. 4	-	44. H ₂ O	-	80. 14	+
9. 5	-	45. H ₂ O	_	81. 15	+
10. 5	-	_		82. 15	+
11.6	+	46. TE	-	83. 16	+
12.6	_	47. TE	-	84. 16	+
13. 7	-	48. DNA Hi	+	85. Ladde	er
14. 7	+	49. DNA Hi	+	86. N/A	
15. 8	-	50. DNA Low	+	87. 17	+
16. 8	+	51. DNA Low	+	88. 17	+
17. Ladder		52. 1		± 89. 18	+
18. 9	-	53. 1		90. 18	+
19. 9	-	54. 2 55. 2		<u> </u>	+
20. 10	-	55. 2 55. 3		92. 19	+
21. 10	-	57. 3		93. 20	-
22. 11	-	57. 3 58. 4		94. 20	-
23. 11	-	59. 4		95. H ₂ O	-
24. 12	-	60. 5		_	_
25. 12	-	61. 5		+ 00.1120	
26. 13	-	62. 6		+ 97. TE	-
27. 13	-	63. 6		+ 98. TE	-
28. 14	+	64. 7		+ 99. DNA	
29. 14	+	65. 7		+ 100. DNA	
30. 15	+	66. 8		+ 101. DNA	
31. 15	+	67.8		+ 102. DNA	\ Low +
32. 16	-	68. Ladder		103.	
33. 16	-	69. 9		+ 104.	
34. Ladder		70.9		+ 105.	
35. N/A		71. 10		+ 106.	
36. 17	-	72. 10		+	

Sample#'s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive			\	\				/	
Negative		V			✓	✓			

FIG. 6b

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR#: 984

ACIDOVORAX REACTIONS

	-	2	3	4	5	9	2	8	6	10	E	12
A	#4	#	6#	6#	#17	#17	#1	#1	6#	6#	#17	#17
8	#2	#5	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
ပ	#3	£#	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL	#3	#3	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL
٥	#	#	#12	#12	#20 SEED CONTROL	#20 SEED CONTROL	#4	#4	#12	#12	#20 SEED CONTROL	#20 SEED CONTROL
ш	#2	£	#13	#13	-H ₂ 0 -H ₂ 0 CONTROL CONTROL	-H ₂ 0 CONTROL	5#	9#	#13	#13		-H ₂ 0 CONTROL
L	9#	9#	#14	#14	-TE CONTROL	-TE CONTROL	9#	9#	#14	#14	-TE CONTROL	-TE CONTROL
ව	£#	2#	#15	#15	ONTROL CONTROL Aac	ODNA CONTROL Aac	L #	47	#15	#15		ODNA CONTROL Aac
=	8#	8#	#16	#16	ONTROL Aac	ONTROL Aac	8#	8#	#16	#16	ODNA CONTROL Aac	ONTROL Aac

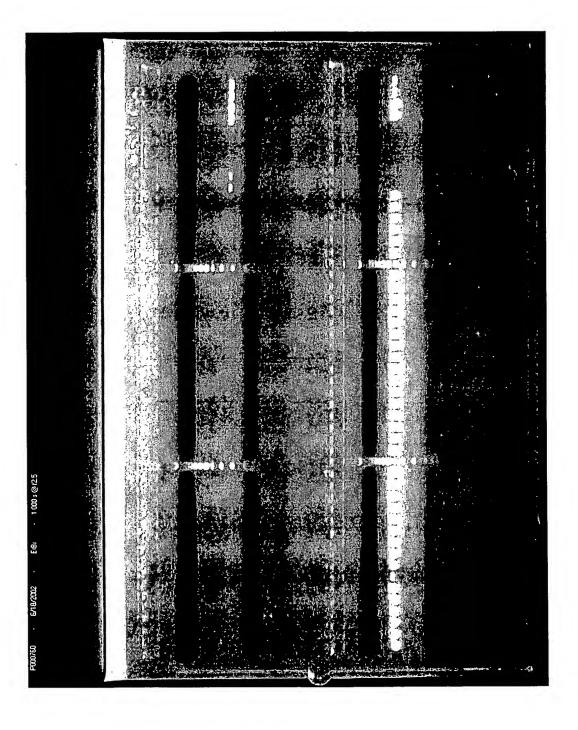


FIG. 7a

Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR # 987

Electrophoresis information

Gel Concentration: 2.0% Amount of agarose used; Buffer: 0.5X TBE 2.5g, 5.0g, 7.0g, other____ Volts: <u>100</u> Watts: 9 mAmps: 98 On: <u>2:00</u> Off: <u>3:30</u> Temp: <u>RT</u>

(circle one)

Volume of DNA sample: 5µls	Total	reaction volume:_5	50µls	
Aac Xcv		Aac Xcv	•	Aac Xcv
Gel Lane Result Result	Gel Lane	Result Result	Gel Lane	Result Result
1. 1 <u>Aac</u> Rxns -	37. 17	+	73. 11	+
2.1 -	38. 18	+	74. 11	+
3. 2	39. 18	+	75. 12	+
4. 2 -	40. 19	-	76. 12	+
5.3 +	41. 19	-	77. 13	+
6.3 +	42. 20	+	78. 13	+
7.4 +	43. 20	+	79. 14	+
8.4 +	44. H ₂ O	-	80. 14	+
9.5 +	45. H ₂ O	_	81. 15	+
10.5 +	-		82. 15	+
11.6 +	46. TE	-	83. 16	+
12.6 +	47. TE	-	84. 16	+
13. 7 -	48. DNA Hi	+	85. Ladder	
14.7 -	49. DNA Hi	+	86. N/A	
15. 8 -	50. DNA Low	+	87. 17	+
16.8 -	51. DNA Low	+ .	88. 17	+
17. Ladder	52. 1	+	89. 18	+
18.9 -	53. 1 54. 2	++	90. 18	+
19.9 -	54. 2 55. 2	+	91. 19	+
20. 10 -	55. 2 55. 3	+	92. 19	+
21. 10 -	57. 3	+	93. 20	-
22. 11 +	58. 4	+	94. 20	-
23. 11 +	59. 4	+	95. H ₂ O	-
24. 12 -	60. 5	+	96. H ₂ O	_
25. 12 -	61. 5	+		
26. 13	62. 6	+	97. TE	-
27. 13	63. 6	+	98. TE	-
28. 14 -	64. 7	+	99. DNA Hi	+
29. 14	65. 7	+	100. DNA Hi	+
30. 15 +	66. 8	+	101. DNA Low	+
31. 15 +	67. 8	+	102. DNA Low	+
32. 16 +	68. Ladder		103.	
33. 16 +	69. 9	+	104.	
34. Ladder	70. 9	+	105.	
35. N/A	71. 10	+	106.	
36. 17 +	72. 10	+		

Sample#'s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive		>	/			/		/	/
Negative	/			\	/		_		



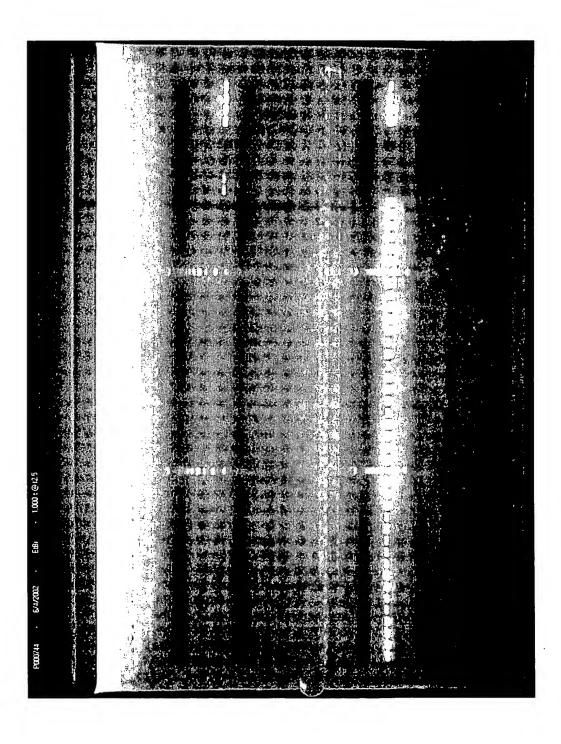


FIG. 7b

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR#: 984

ACIDOVORAX REACTIONS

	1	2	3	4	5	9	2	8	6	10	11	12
A	#	#	6#	6#	#17	#17	#	1#	6#	6#	#17	#17
B	# 2	#5	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
ပ	#3	#3	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL	#3	£#	#11	#11	#19 SEED CONTROL	#19 SEED CONTROL
۵	#	#	#12	#12	#20 SEED CONTROL	#20 SEED CONTROL	#	#4	#12	#12	#20 SEED CONTROL	#20 SEED CONTROL
ш	42	5 #	#13	#13		-H ₂ 0 CONTROL	9#	5#	#13	#13		-H ₂ O CONTROL
ட	9#	9#	#14	#14	-TE CONTROL	-TE CONTROL	#	9#	#14	#14	-TE CONTROL	-TE CONTROL
ග	47	£#	#15	#15	ONTROL Aac	ONTROL Aac	£#	L #	#15	#15	#DNA CONTROL Xcv	ONTROL CONTROL Xcv
I	8#	8#	#16	#16	ONTROL Aac	ONTROL Aac	8#	8#	#16	#16	ODNA CONTROL Xcv	ONTROL XCV

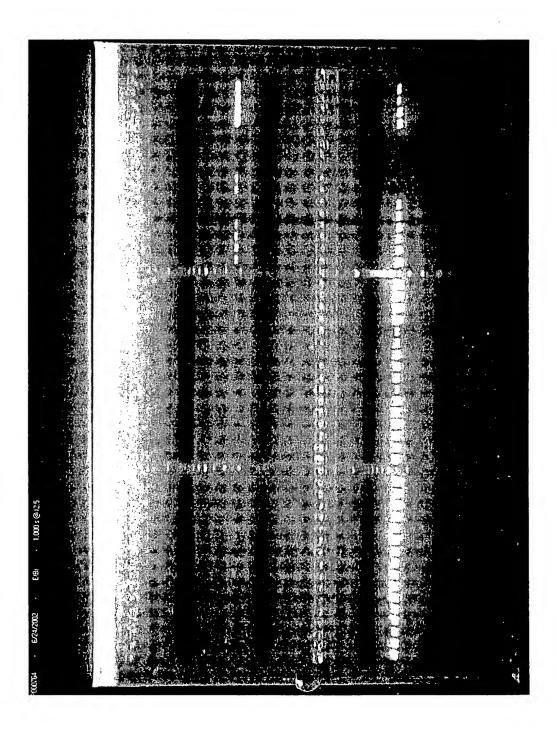


FIG. 8a

				Г	1G. C	a					
Bacterial											
Disease scree WFB PCR # 9		say data	sneet								
Electrophores	sis inf	ormatio:	<u>n</u>								
Gel Concentr				Buffer	r: <u>0.5X T</u>	BE	Amour	nt of aga	rose us	ed;	
Volts: 130										2 <u>g/6</u> 00ml	
On: <u>1:40</u>		f: <i>3:00</i>		ιp: <i>R</i> 7		-		le one)	F	un gel	
				-F · ···			•	,		ogether	
Volume of DNA			_	Total re			e: <u>50μls</u>			ith PCR #9	7
0-11	Aac	Xcv	0-11		Aac	Xcv			Aac	Xcv	
Gel Lane	Result	Result	Gel Lane 37, 17	2	<u>Result</u>	Resu	<u>ılt Gel L</u> 73. 1		<u>Result</u>	Hesuit .	
1. 1 <u>Aac</u> Rxns 2. 1	+		38. 18		-		74. 1			+	
3. 2	+		39. 18		-		75. 1			+	
4. 2	+		40. 19		-		76. 1			+	
5. 3	-		41. 19		-		77. 1	3		+	
6.3	-		42. 20		+		78. 1			+	
7.4	+		43. 20		+		79. 1			+	j
8.4	+		44. H ₂ O		_		80. 1			+ +	
9. 5 10. 5	+		45. H ₂ O		-		81. 1 82. 1			+	
11.6	+		46. TE		-		83. 1			+	
12.6	+		47. TE		-		84. 1			+	
13. 7	+		48. DNA		+			adder			
14. 7	+		49. DNA		+		86. N				
15. 8	-		50. DNA 51. DNA		+		87. 1			+	
16.8	+		52. 1	LOW		+	88. 1			+	
17. Ladder 18. 9			53. 1			+	89. 1 90. 1			+	
19.9	-		54. 2			+	91. 1			+	
20. 10	-		55. 2			+	92. 1			+	
21. 10	-		55. 3 57. 3			+	93. 2			-	
22. 11	-		58. 4			+	94. 2			-	
23. 11	-		59. 4			+	95. H	20		-	
24. 12	-		60. 5			+	96. H	20		-	
25. 12 26. 13	-		61. 5			+	97. T	_		_	
27. 13	-		62. 6 63. 6			+	98. T			-	
28. 14	-		64. 7			+		NA Hi		+	
29. 14	-		65. 7			+		DNA Hi		+	
30. 15	-		66. 8			+		DNA Low		+	
31. 15	-		67. 8	l		+		DNA Low		+	
32. 16 33. 16	-		68. Lado 69. 9	ier		_	· 103. 104.				
34. Ladder			70. 9			+	104.				
35. N/A			71. 10			+	106.				
36. 17			72. 10			+					
Note: All samp	les are	tested at a	1:50 dilutio	on of th	ne recove	red (st	ock) DNA.	NTC is a	No Temp	late Contro	ol
Sample#'s 1	& 2	3 & 4	5 & 6	7 &	8 9 8	3 10	11 & 12	13 & 14	15 & 16	6 17 & 18	3]
Positive	✓ <u> </u>	<u> </u>		✓					<u> </u>		コ
Negative	I			<u></u>			<u> </u>		/		_]

FIG. 8b

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR#: 993

ACIDOVORAX REACTIONS

	-	2	က	4	5	9	2	ω	6	10	11	12
	#	ŧ	6#	£	#17	#17	#	Ť	6#	6#	#17	#17
	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
	£#	#3	#	#1	#19 SEED	#19 SEED	£3	£	#11	#11	#19 SEED CONTRO!	#19 SEED
	#	#4	#12	#12		 	#	#	#12	#12		#20 SEED CONTROL
	42	42	#13	#13		 	£	我	#13	#13	-H ₂ 0 CONTROL	-H ₂ 0 CONTROL
	9#	9#	#14	#14	-TE -TE CONTROL CONTROI	 	9#	4	#14	#14	-TE CONTROL	-TE CONTROL
	2#	2#	#15	#15	ONTROL Aac	ONTROL Aac	47	47	#15	#15	ONTROL Xcv	ONTROL Xcv
	8#	8#	#16	#16	ONTROL Aac	ONTROL CONTROL Aac	8#	8#	#16	#16	#DNA CONTROL Xcv	DNA CONTROL Xcv



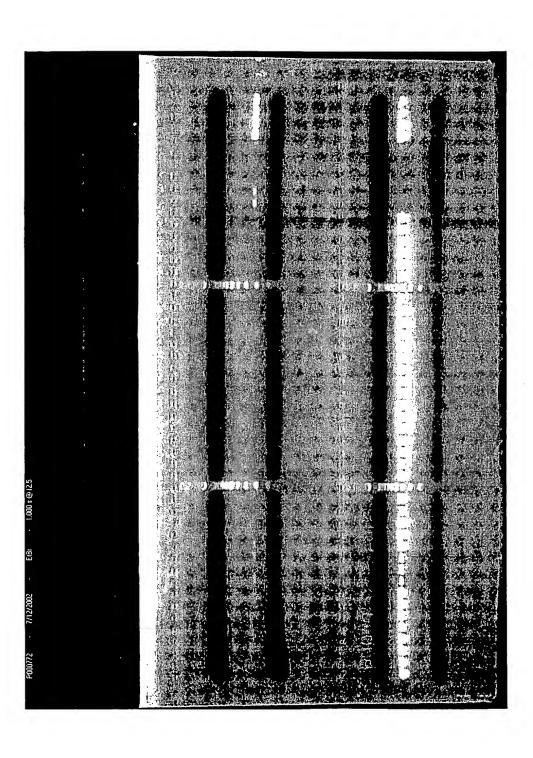


FIG. 9a

Bacterial Fruit Blotch

Disease screen assay data sheet WFB PCR # 976

Electrophoresis information

Gel Concentration: 2.0% Amount of agarose used; Buffer: 0.5X TBE Watts: 8 mAmps: 92 2.5g, 5.0g, 7.0g, other____ Volts: 98

(circle one) Off: <u>3:00</u> Temp: <u>RT</u> On: <u>1:30</u>

Volume of DNA sample: 5µls Total reaction volume: 50µls

Volume of DIVA		10(a) 1	eaction v		υμιδ	
	Aac Xcv		Aac	Xcv		Aac Xcv
Gel Lane	Result Result	Gel Lane	Result	Result	Gel Lane	Result Result
1. 1 Aac Rxns		37. 17	-		73. 11	+
2. 1	_	38. 18	_		74. 11	+
3. 2		39. 18	_		75. 12	+
	-	40. 19	_			
4. 2	•	41. 19	-		76. 12	+
5. 3	-				77. 13	+
6. 3	•	42. 20	+		78. 13	+
7. 4	-	43. 20	+		79. 14	+
8. 4	-	44. H ₂ O	-		80. 14	+
9. 5	-	45. H ₂ O	-		81. 15	+
10. 5	_	_			82. 15	+
11.6	_	46. TE	-		83. 16	+
12. 6	_	47. TE	-		84. 16	+
13. 7	_	48. DNA Hi	+		85. Ladder	•
	•	49. DNA Hi	+		86. N/A	
14.7	-	50. DNA Low	+			1
15. 8	•	51. DNA Low	+		87. 17	+
16. 8	-	52. 1	•	+	88. 17	+
17. Ladder		53. 1		+	89. 18	+
18. 9	-	54. 2		+	90. 18	+
19. 9	-	55. 2		+	91. 19	+
20. 10	-				92. 19	+
21. 10	-	55. 3		+	93. 20	-
22. 11	-	57. 3		+	94. 20	-
23. 11	_	58. 4		+	95. H ₂ O	-
24. 12		59. 4		+	-	
		60. 5		+	96. H ₂ O	-
25. 12	-	61. 5		+		
26. 13	-	62. 6		+	97. TE	-
27. 13	-	63. 6		+	98. TE	-
28. 14	-	64. 7		+	99. DNA Hi	+
29. 14	-	65. 7		+	100. DNA Hi	+
30. 15	-	66. 8		+	101. DNA Low	+
31. 15	-	67. 8		+	102. DNA Low	
32. 16	-	68. Ladder			103.	
33. 16	-	69. 9		+	104.	
34. Ladder		70. 9		+	105.	
35. N/A		71. 10		+	106.	
		71. 10 72. 10		+	100.	
36. 17	-	12. IU		т		

Sample#'s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive									
Negative	V	\		\	/		\		/

FIG. 9b

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR#: 976

ACIDOVORAX REACTIONS

12	#17	#18	#19 SEED CONTROL	#20_ SEED CONTROL	-H ₂ 0 CONTROL	-TE CONTROL	ONTROL Aac	⊕DNA CONTROL Aac
11	#17	#18	#19 #19 SEED SCONTROL CO	#20 # SEED SCONTROL CONTROL	-H ₂ 0 CONTROL	-TE	ONTROL A	ODNA CONTROL Aac
10	6#	#10	#11	#12 #	#13	#14	#15	#16
6	6#	#10	#11	#12	#13	#14	#15	#16
∞	#	#2	#3	#	5#	9#	L #	8#
2	#	#5	#3	#	£	9#	L #	8#
9	#17	#18	#19 SEED CONTROL	#20 SEED CONTROL	-H ₂ 0 CONTROL	-TE CONTROL	ONTROL Aac	ONTROL CONTROL Aac
5	#17	#18	#19 SEED CONTROL	#20 SEED CONTROL	H ₂ 0 CONTROL	-TE CONTROL	ONTROL Aac	ONTROL CONTROL Aac
4	6#	#10	#11	#12	#13	#14	#15	#16
က	6#	#10	#11	#12	#13	#14	#15	#16
2	#	7#	£#	‡	\$#	9	L #	8#
-	#	#5	#3	#	#2	9	2#	8#
	4	മ	ပ	۵	ш	ட	ග	I